

CLAIMS

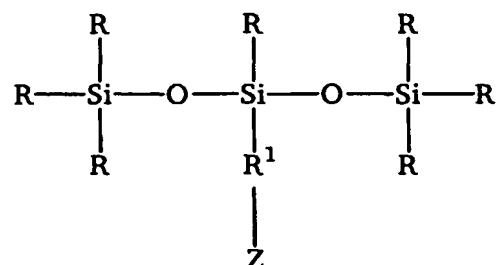
What is claimed is:

1. An agricultural composition for topical application to woody plant periderm, the composition comprising:
 - 5 (a) an insecticide or a plant growth regulator;
 - (b) an organosiloxane surfactant; and
 - (c) water.
2. An agricultural composition for topical application to woody plant periderm,
10 the composition comprising:
 - (A) an aqueous solution comprising:
 - (i) at least one part by weight of an insecticidal compound or a plant growth regulator; and
 - (ii) from about 0.0001 to about 3.0 parts by weight of an
15 organosiloxane surfactant per part of the insecticidal compound or a plant growth regulator.
3. A method for preventing and controlling insect attack or plants having bark periderm, the method comprising:
20 applying an insecticidal composition to the bark periderm of woody plants without mechanically penetrating the bark of the plant, said insecticidal composition comprising:
 - an aqueous solution comprising:
 - i) at least one part by weight of an insecticidal compound; and
 - 25 (ii) from about 0.0001 to about 3.0 parts by weight of an organosiloxane surfactant per part of the insecticidal compound.
4. A method for preventing and controlling plant growth, the method comprising:
30 applying a plant growth regulator composition to the bark periderm of woody plants without mechanically penetrating the bark of the plant, said plant growth regulator composition comprising:
 - an aqueous solution comprising:

- i) at least one part by weight of a plant growth regulator; and
 (ii) from about 0.0001 to about 1.0 parts by weight of an organosiloxane surfactant per part of plant growth regulator.

5 5. The insecticidal composition of claim 1 or 2, or the method of claim 3 or 4, where the composition further includes at least one of a solvent or a surface active agent.

6. The composition of claim 1 or 2, or the method of claim 3 or 4, where the
 10 organosiloxane surfactant includes a trisiloxane defined by the formula



where R is a short chain alkyl group, R¹ is an alkylene group, and Z is a polyoxyalkylene group.

15 7. The composition of claim 1 or 2, or the method of claim 3 or 4, where the organosiloxane includes a polyoxyethylene heptamethyl trisiloxane.

8. The composition of claim 1 or 2, or the method of claim 3 or 4, where the
 composition includes from about 0.005 to about 1.0 parts by weight of the
 20 organosiloxane surfactant per part of the insecticide or plant growth regulator.